Stunning 18.4"[4] masterpiece.

POWERFUL PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ 2 Duo T6600 processor (2.20GHz[1]) and 4GB of system memory.

The VAIO® AW notebook comes pre-installed with Microsoft ® Windows® 7 Home Premium - Bilingual (English/French) [10].

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 9600M GT graphics card and 512MB of dedicated video RAM.

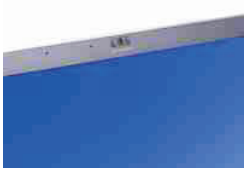
Store your favorite multimedia, important documents, and cherished family photos on the roomy 320GB[2] Serial ATA hard disk drive.

BORN FROM SONY® HD TECHNOLOGY

Fall in love with your favorite movies all over again with an extra-wide, theater inspired 18.4"[4] (1680x945) display using energy-efficient LCD technology.

Take advantage of the convenience and utility of DVD and CD read/write functionalities.

An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).



ENDLESS FEATURES

Stay connected to friends and family with real-time video conferencing[3] using the integrated MOTION EYE® camera and microphone with face-tracking technology.

Now there's a fast, easy way to produce your own high-quality home movies and slideshows. Sony's VAIO® Movie Story software breaks complex movie production into three simple steps, freeing you from tedious hours spent mastering difficult and expensive video editing software. .

Extend the reach of your notebook with A2DP Bluetooth® technology. It's ideal for advanced wireless communication and streaming uncompromised CD-quality stereo music to Bluetooth® technology enabled speakers or headphones[13].

The Sony® VAIO® AW notebook with a built-in HDMI™ out port and an 18.4" HD LCD screen[4] delivers the sharp clarity that your entertainment demands. It has loads of RAM, external NVIDIA® graphics and Intel® Dual Core® processor technology. Enjoy a 16:9 aspect ratio that offers a wider viewing area and workspace. And with Intel® High Definition Audio enjoy an immersive audio experience.

VGN-AW420DH

VAIO® AW Series Notebook

Specifications

General

Computer Type: Notebook

Type of Use: Desktop Replacement

Action Buttons: S1, S2, Volume - / +, Mute, Play / Pause, Stop, Eject, Wireless / Bluetooth® on / off, A/V Mode

Pointing Device: Electro-static touch pad

Hardware

Keyboard: QWERTY, 103 keys, 19.05mm pitch, 2mm stroke - Bilingual (English/French)

Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ 2 Duo Processor T6600

Speed: 2.20GHz[1]

Front Side Bus Speed: 800MHz

L2 Cache: 2MB

Memory

Installed: 4GB PC2-6400 (2GBx2)

Maximum: 8GB

Type/Speed: DDR2/800MHz

Hard Drive

Capacity: 320GB[2]

Speed: 5400rpm

Type: Serial ATA

Optical Drive

CD Support: Read / Write (CD/-R/-RW)

DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard/Duo) media slot with MagicGate® functionality
One ExpressCard® / 34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 18.4"[4]

Resolution: 1680 x 945

Graphics

Processor: NVIDIA® GeForce® 9600M GT GPU with Total Available Graphics Memory of 2287MB (max.)[14]

Video RAM: 512MB dedicated video RAM

Chipset: Mobile Intel® PM45 Express Chipset

Max. External Resolution via VGA: 2048x1536

Max. External Display Resolution via HDMI™ : 1920x1080

Inputs and Outputs

Microphone Input: 1

USB Port(s): 3 (2.0 compliant)

VGA Output(s): 1

DC-In: 1

i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[7]

Headphone Output(s): 1

S/PDIF Output(s): 1

Ethernet Connection (s): 1

HDMI™ Output: 1

Power

Battery Type: Standard Capacity Lithium-ion Battery

Estimated Battery Life: Up to 2.5 hours[8] Standard Capacity Battery
Up to 4.0 hours[8] Large Capacity Battery

Power Requirements: 150W + 10%

Start-up Times

Average Boot Time: 60 sec[15]

Average Resume Time from Suspend: 2 sec[15]

First Boot Time: 5 min[16]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)

Ethernet Speed: Fast Ethernet (RJ-45)

Wi-Fi: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]

Software

Operating System: Genuine Microsoft® Windows® 7 Home Premium 64-bit - Bilingual (English/French)[10]

The VAIO® Software Experience: VAIO Care™ - System diagnostics and maintenance

VAIO® Multimedia Suite: VAIO® Movie Story - Simple Movie Creation
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 Year [10]

Limited Warranty Term: 1 Year

Environmental Information

EPEAT™ : Silver

RoHS®: Compliant

ENERGY STAR®: 5.0

Dimensions

Weight: 8.2 lbs[5] (with standard capacity battery)

Measurements: 17.2"(W) x 1.45 - 1.56"(H) x 11.4"(D)[5,6]

Supplied Accessories

Power Cord

Standard Capacity Lithium-ion Battery

AC Adapter

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS13A/B)

Large Capacity Battery (VGP-BPL13)

Additional AC Adapter (VGP-AC19V15)

Bluetooth® Remote Mouse[13] (VGP-BMS80)

Bluetooth® Laser Mouse (VGP-BMS33/H)[13]

Bluetooth® Keyboard[13] (VGP-BKB1)

Canvas Urban Messenger Bag (VGP-AMB12)

Color: Titanium Gray

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Non-metric weights and measures are approximate and may vary.
6. Measured at the narrowest point.
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
9. See actual limited warranty for details.
10. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
11. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats
12. Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
13. Interoperability and compatibility among Bluetooth® devices vary.
14. Total Available Graphics Memory refers to the new Windows 7® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
15. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
16. Excluding end user interaction.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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